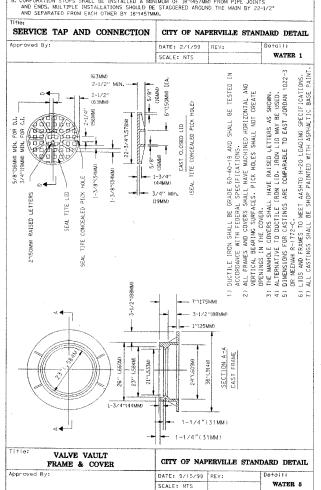
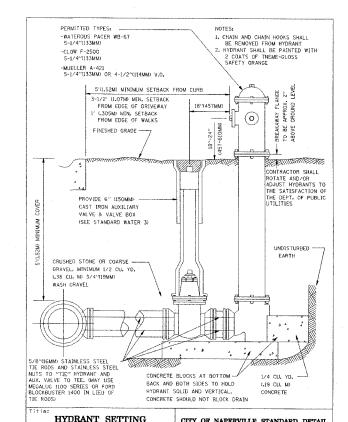


- . CORPORATION IS TO BE FLARING TYPE (FORD F-600 OR EQUAL BY MUELLER OR A.Y. MCDONALD). 1. COMPONATION IS TO US FLANING TYPE (FOND F-600 OR EQUAL BY MUBLLER ON A.Y. MCDONALC 
  1.78" BRID ELBOW - FEANLE FLARE TO COMPRESSION (FORD LAO4-44 OR EQUAL BY MUBLLER OR A.Y. MCDONALD, 
  OR A.Y. MCDONALD, 
  S. CURB BOX IS ARCH PATTERN, WITH INTERIOR ROD FOR 1"25MM UPPER SECTION ONLY 
  WHEN USING 1"25MM CURB STOPS.

  4. CURB BOX IS ARCH PATTERN WITHOUT ROD. WITH 1-1/4"32MM UPPER SECTION WHEN 
  USING 1-1/2"33MM TO 2"50MM CURB STOP, WITH 1-1/4"32MM BRASS PENTAGON PLUG. 
  CURB STOP IS WITH 1-1/4"32MM BRASS PENTAGON PLUG.

- 5. CURB STOP IS WITH COMPRESSION COUPLING FORD B44-444 (1"(25MM) CURB STOP), OR EQUAL BY MUELLER OR A.Y. MCDONALD.
- 6. B-BOX HAS PROMELLED OR AT, INCOMPAND,
  6. B-BOX HAS PIZZSMAN THREADED BRASS PENTAGON PLUG WITH THE WORD "WATER" IN
  RAISED LETTERS ON CAP, G-147"(32MM) PENT, PLUG FOR 1-14"(32MM) ID, B-BOXES),
  7. SERVICE TAPS GREATER THAN "YEZSMAN IN DIJAMETER MUST HAVE A STAINLESS STEEL DUAL
  BANDED DUCTILE IRON SADDLE (FORD FS 202, 202 BS OR APPROVED EQUAL) OR ALL STAINLESS
  STEEL FULL CRICLE CLAMP WITH OUTLET.
- . CORPORATION STOPS SHALL BE INSTALLED A MINIMUM OF 18"457MM FROM PIPE JOINTS AND ENDS. MULTIPLE INSTALLATIONS SHOULD BE STAGGERED AROUND THE MAIN BY 22-1/2" AND SEPARATED FROM EACH OTHER BY 18"457MM.



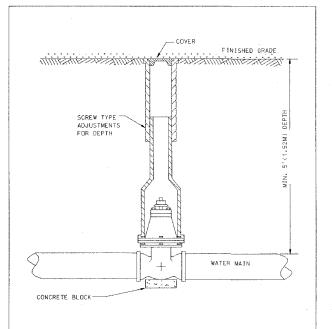


HYDRANT SETTING CITY OF NAPERVILLE STANDARI			G CITY OF NAPERVILLE STANDARD DETAIL	
Approved By:	DATE: 6/12/01	REV:	Detgil:	
	SCALE: NTS		WATER 2	
2 MIN 12"(30 (0.610M)	A A A A A A A A A A A A A A A A A A A			
			12"300MM0 M21	
THRUST BLOCKING TO PREVENT MOVEMENT OF UNDER PRESSURE AT BENDS. TEES. CAPS. HYDRANTS. & AT POINTS SPECIFIED BY THE SHALL BE CLASS "SI" CONCRETE A MINIMULTHICK. PLACED BETWEEN SOLID GROUND & SHALL BE ANCHORED IN SUCH A MANNER THAND FITTING WILL BE ACCESSIBLE FOR REBLOCKS SHALL BE PLACED AT BENDS OF 11	F LINES  VALVES. VALVES. E ENGINEER M OF 12"(300MM) THE FITTING. ANI AT THE PIPE PAIRS. THRUST	TRENC OURED CONCRE HRUST BLOCK	OMMO MIN.	

CITY OF NAPERVILLE STANDARD DETAIL

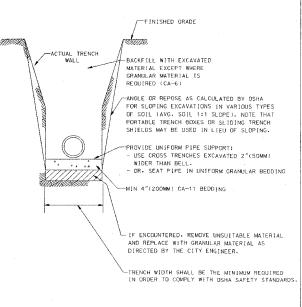
SCALE: NTS

THRUST BLOCK INSTALLATION



VIII 01 11121	CITY OF NAPERVILLE STANDARD DETAIL		
DATE: 6/12/01	REV:	Detail:	
SCALE: NTS		WATER 3	

NOTE: VALVE BOXES ARE NOT ALLOWED IN PAVED AREAS WITHOUT PRIOR APPROVAL FROM THE NAPERVILLE DEPARTMENT OF PUBLIC UTILITIES



THE TRENCH SECTION FOR WATERMAIN	CITY OF NAPERVILLE STAN	DARD DETAIL
Approved By:	DATE: 6/12/01 REV:	Detail:
	SCALE: NTS	WATER 7

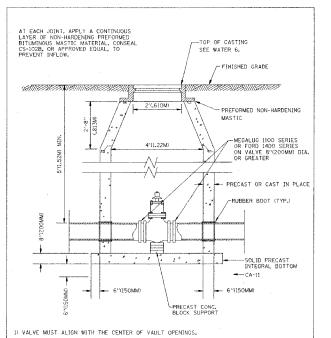
IN PAVED AREAS ALL TRENCHES SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 550.07 OF THE STANDARD SPECIFICATIONS FOR ROAD AND

BRIDGE CONSTRUCTION.



COUNTY SECTION 96-00099-00-BR DUPAGE 62 55 TO STA A TUCO INTERNATIONAL LTD. COMPANY FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

CONTRACT 83664



1) VALVE MUST ALIGN WITH THE CENTER OF VAULT OFENINGS.
2) CONES MUST BE CONCENTRIC WITH VALVES 12"300MM AND SMALLER.
3) BUTTERFLY VALVES AND PRESSURE TAP VALVES REQUIRE ECCENTRIC CONES.
4) WHEN ADJUSTMENTS ARE NECESSARY, THEY SHALL BE PERFORMED WITH A MAXIMUM OF TWO (2) PERCEST CONCENTE RINGS SET IN A BED OF PREFORMED NON-HARDENING MASTIC MATERIAL CONSEAL CS-1028, OR APPROVED EQUAL) TO A MAXIMUM HEIGHT OF 12"(300MM).

VALVE VAULT	CITY OF NAF	PERVILLE STAN	DARD DETAIL
Approved By:	DATE: 2/1/99	REV:	Detail:
	SCALE: NTS		WATER 4

